

Fig. 5

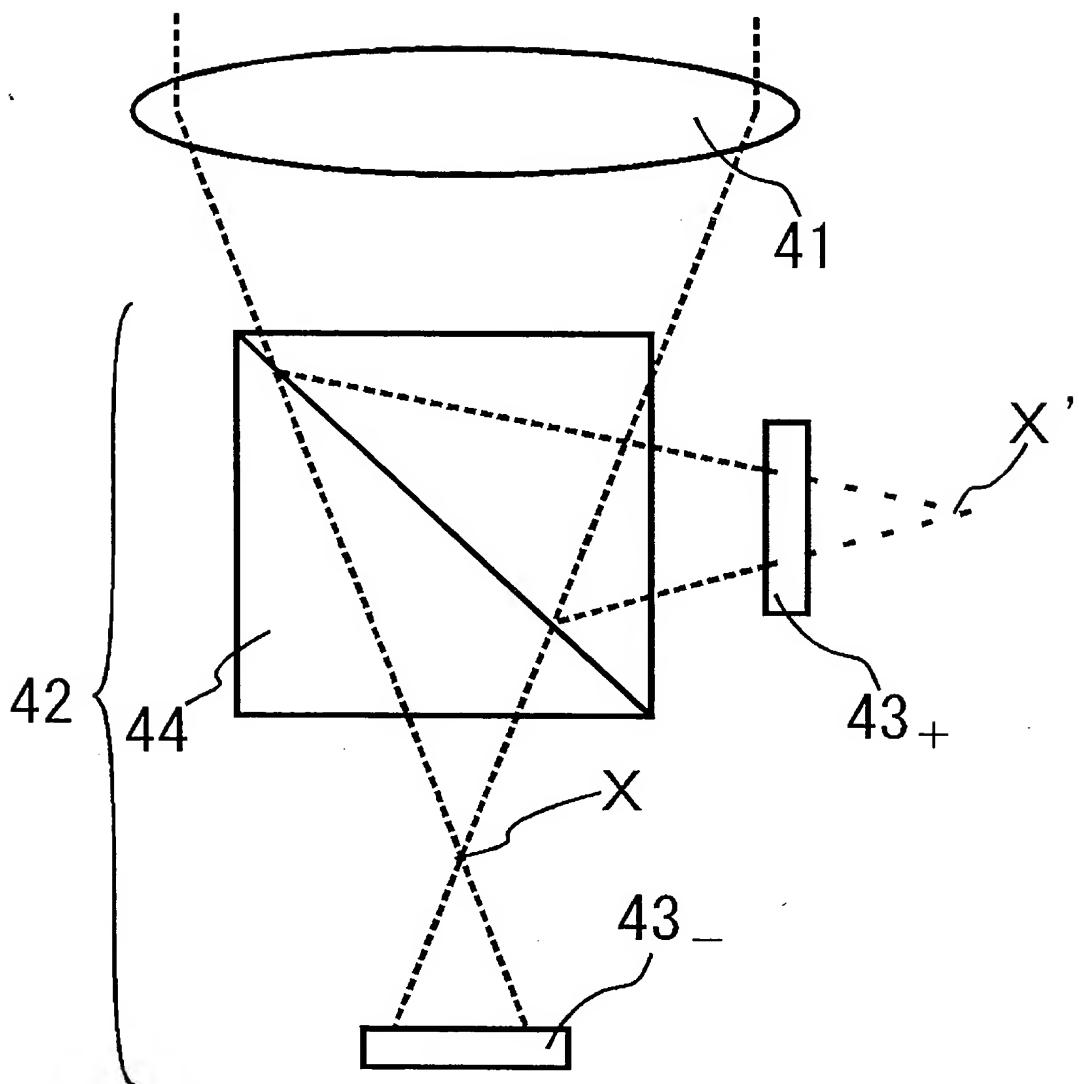


Fig. 6.

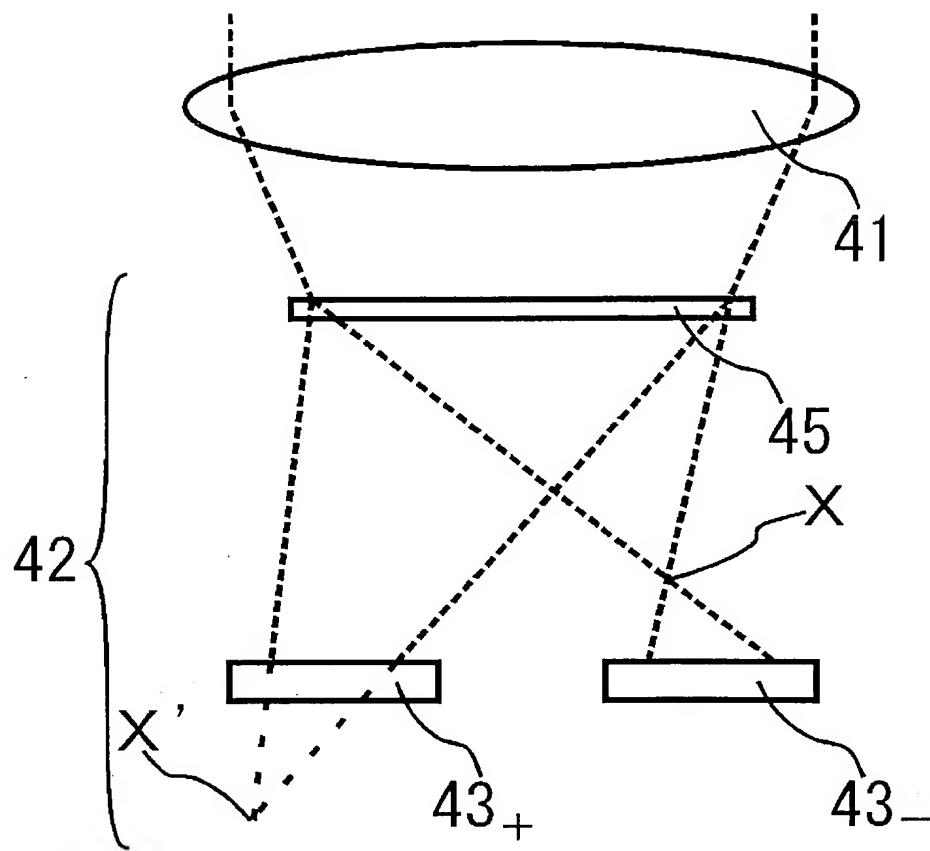
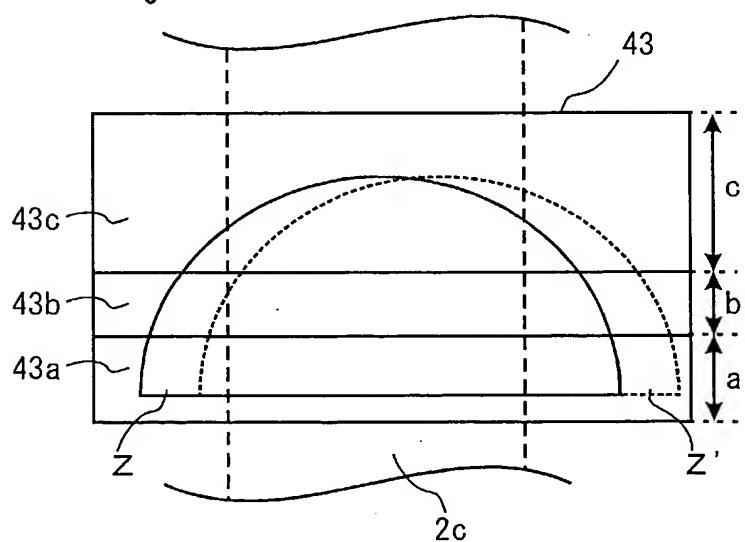


Fig. 7



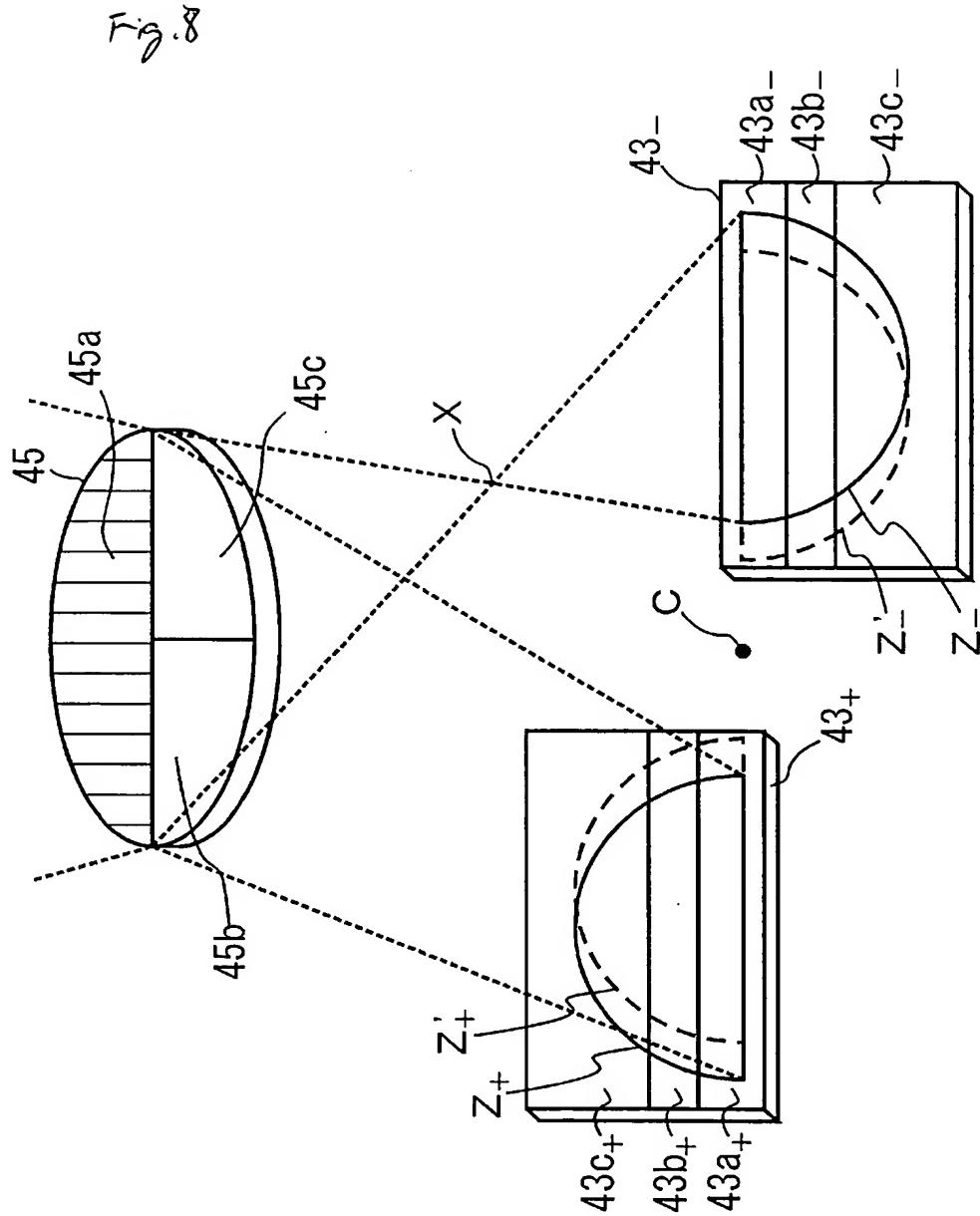
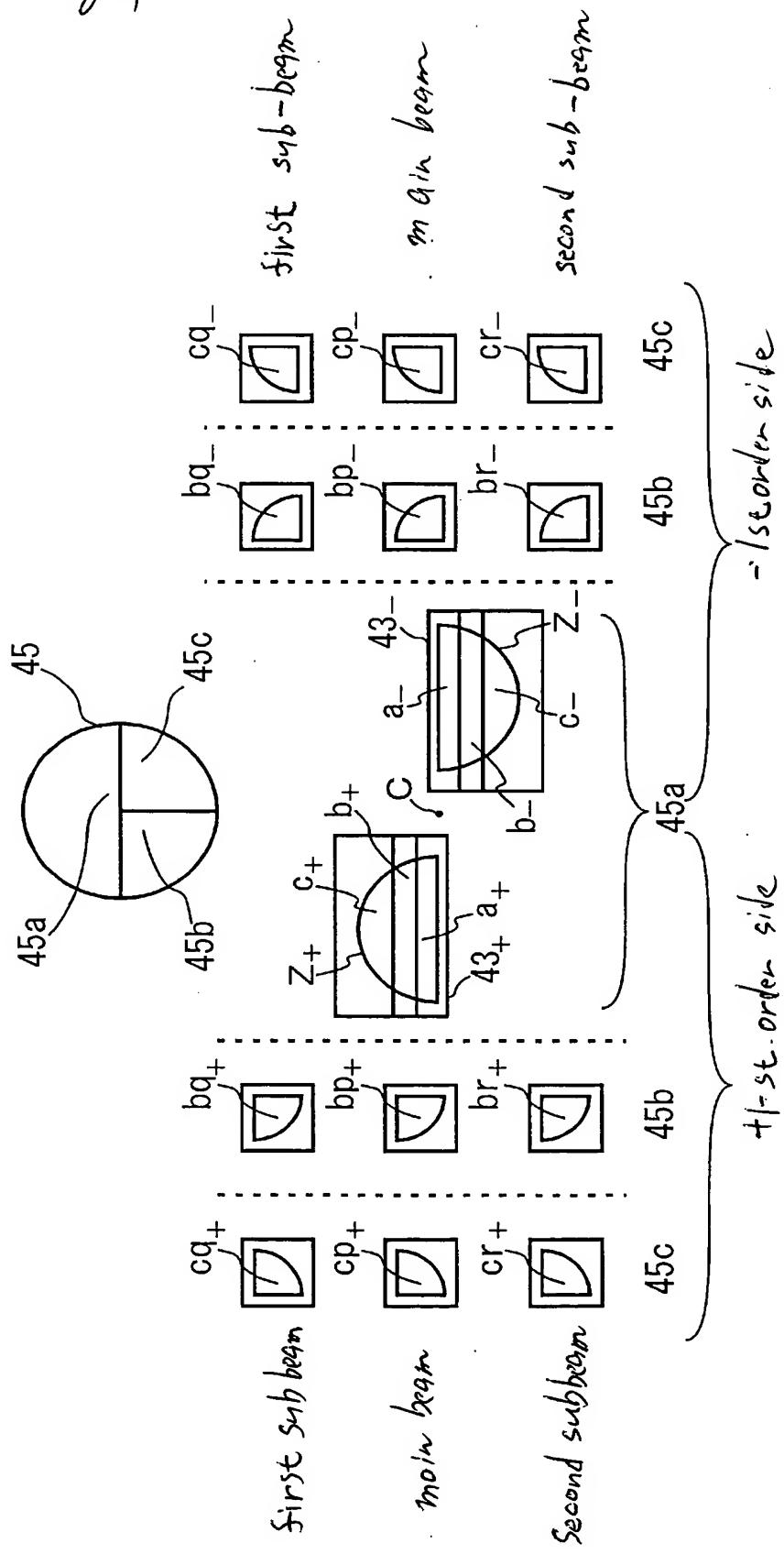


Fig. 9



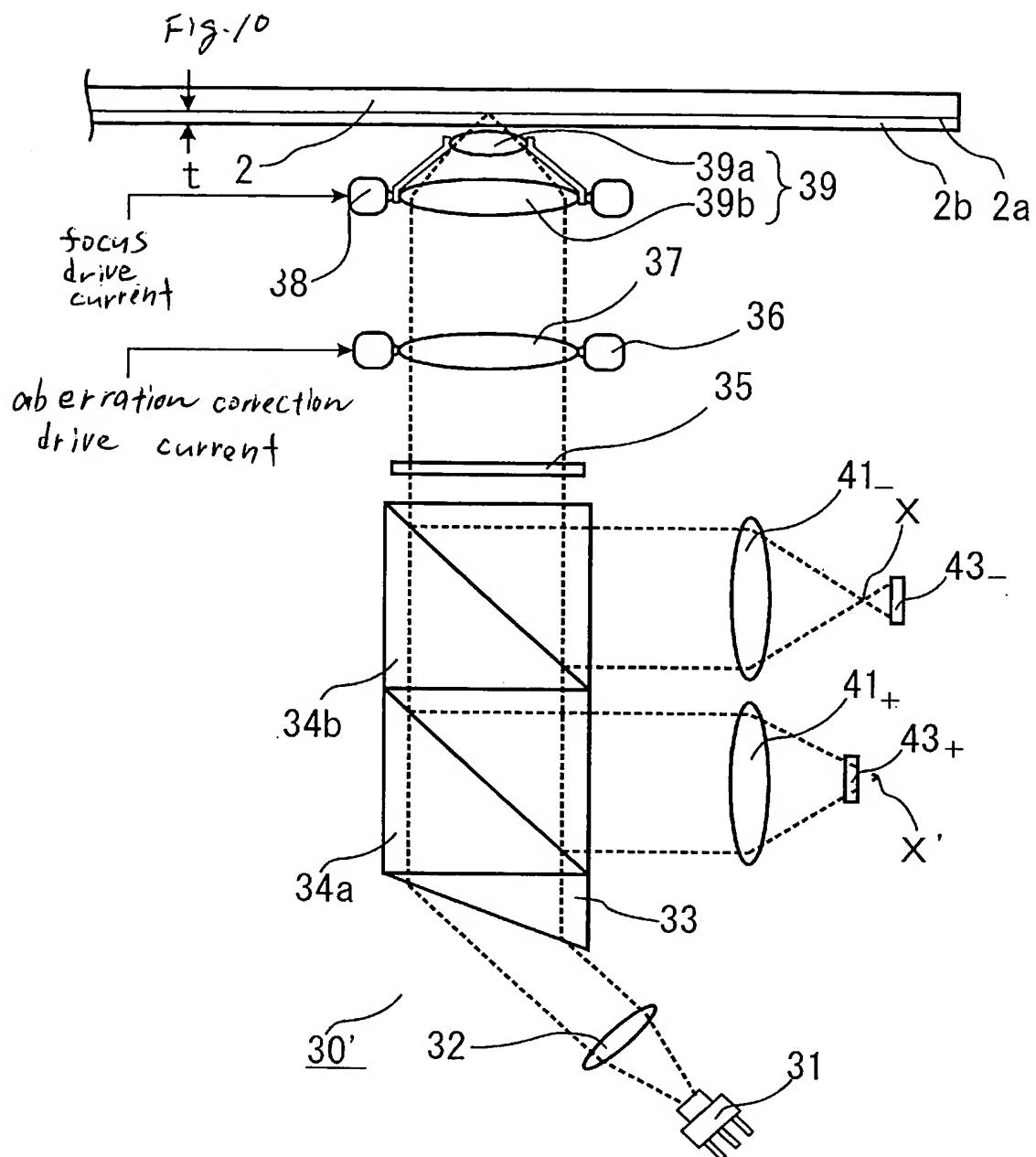


Fig. 11

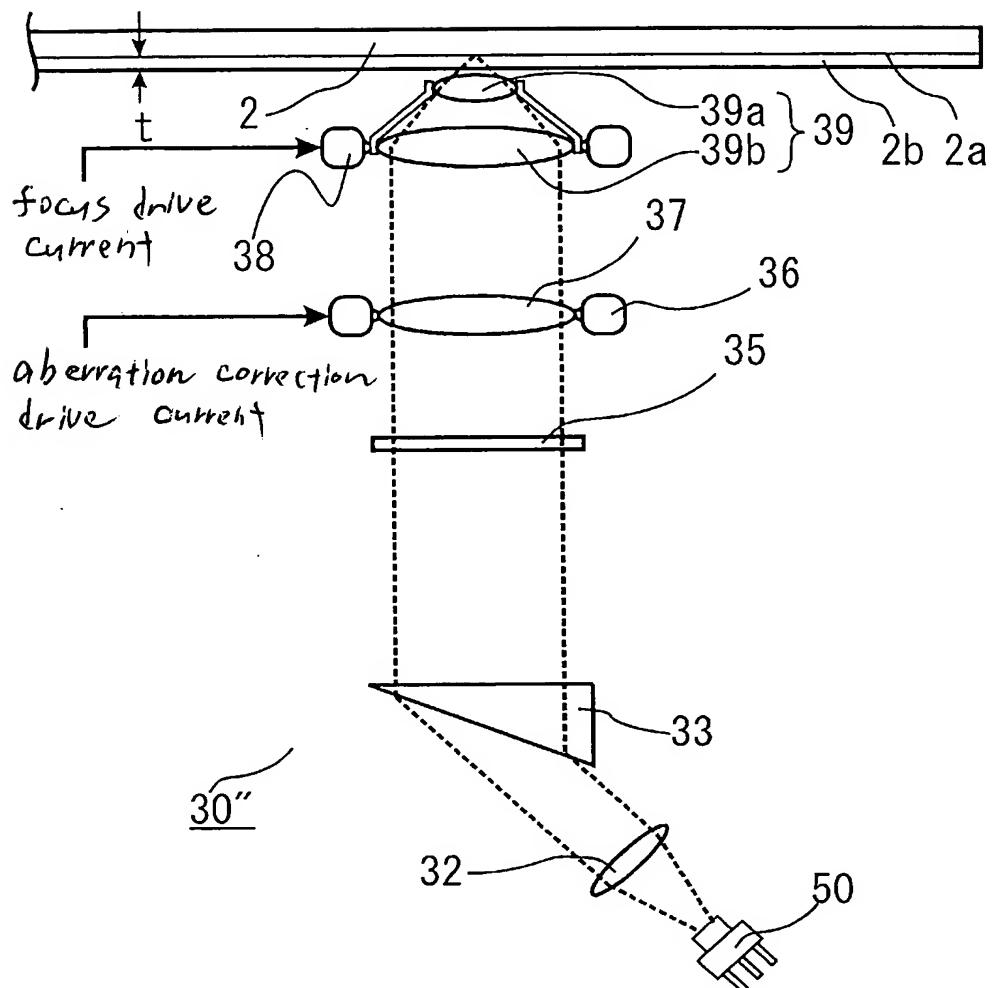
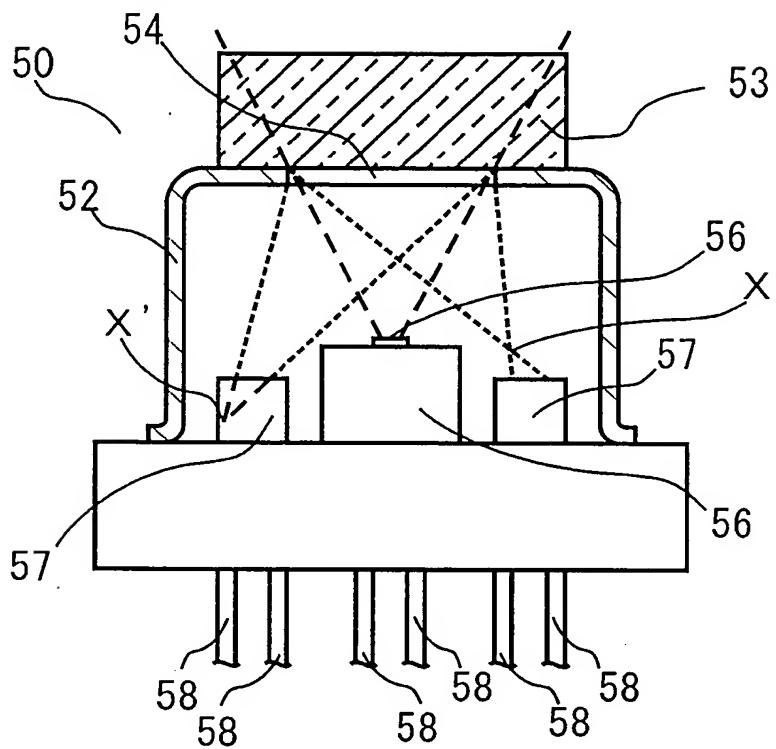
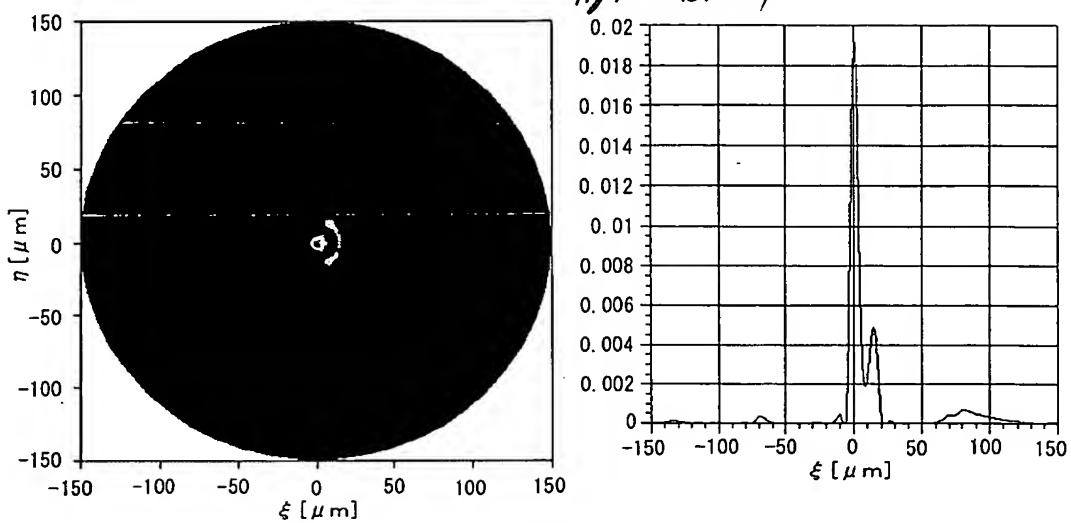


Fig. 12

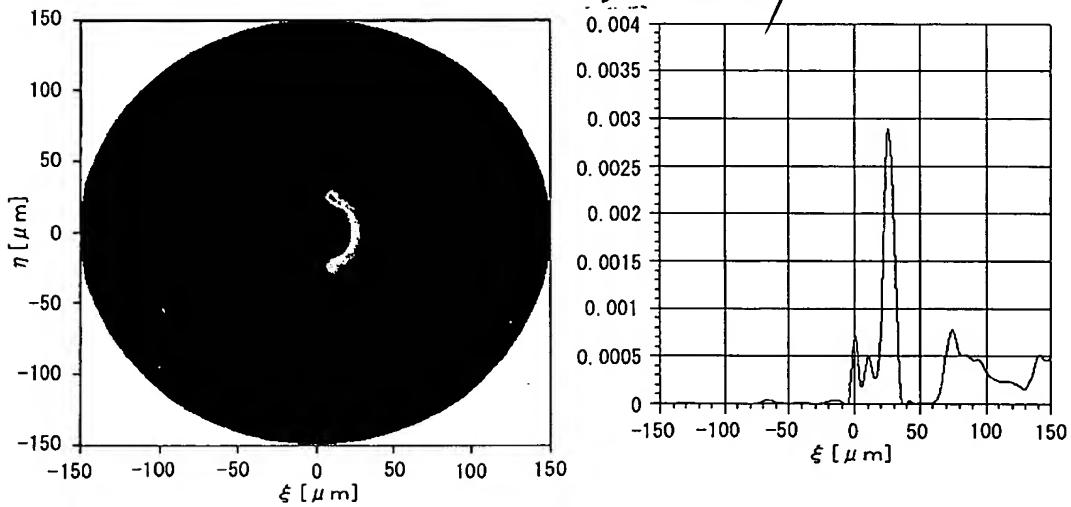


Hg. 13

A



B



C

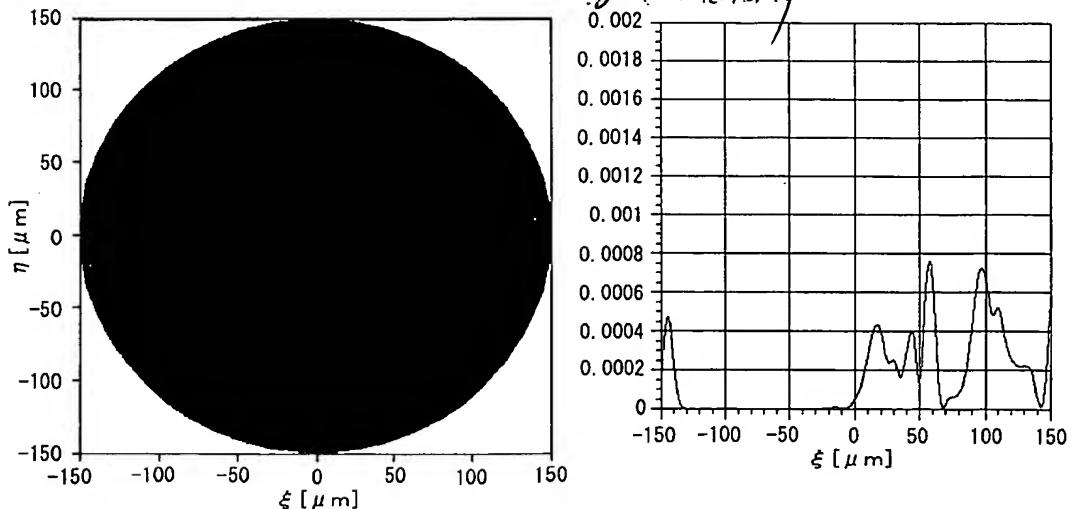
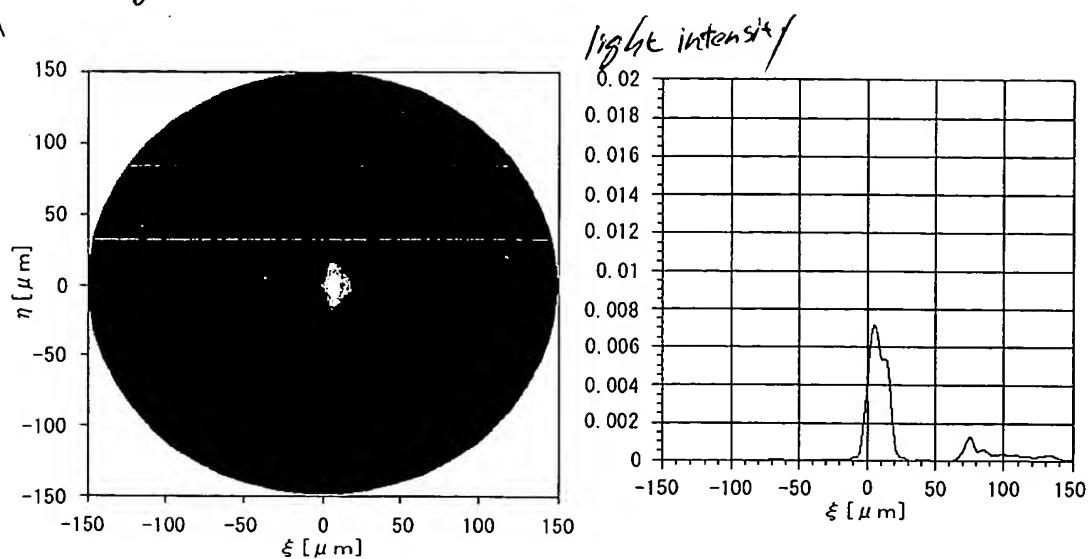
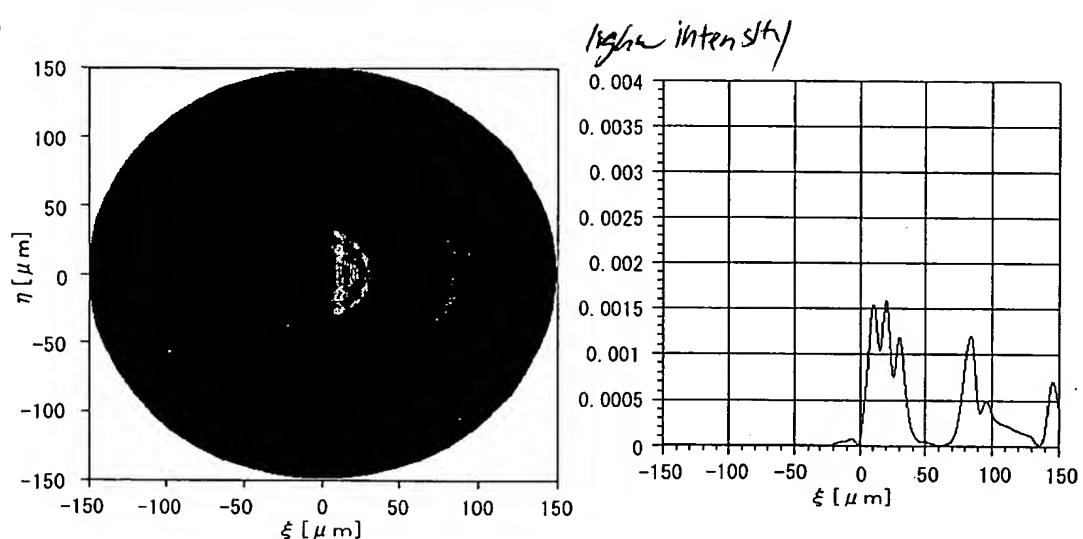


Fig. 14

A



B



C

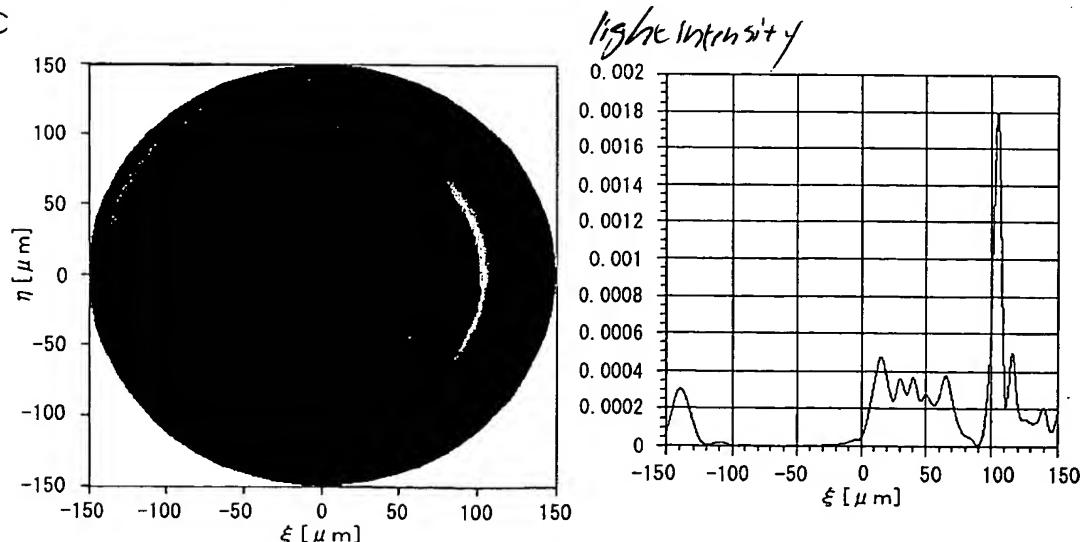
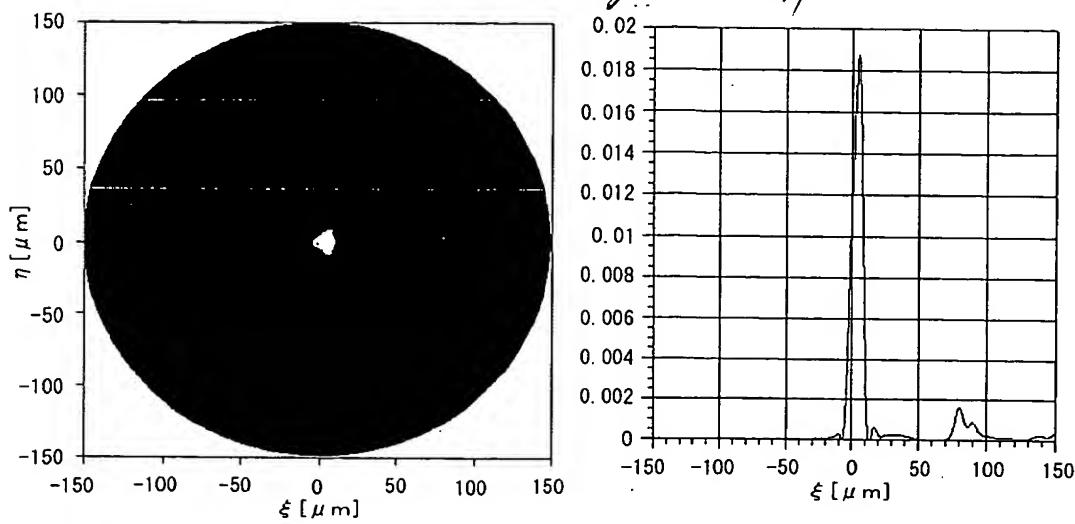
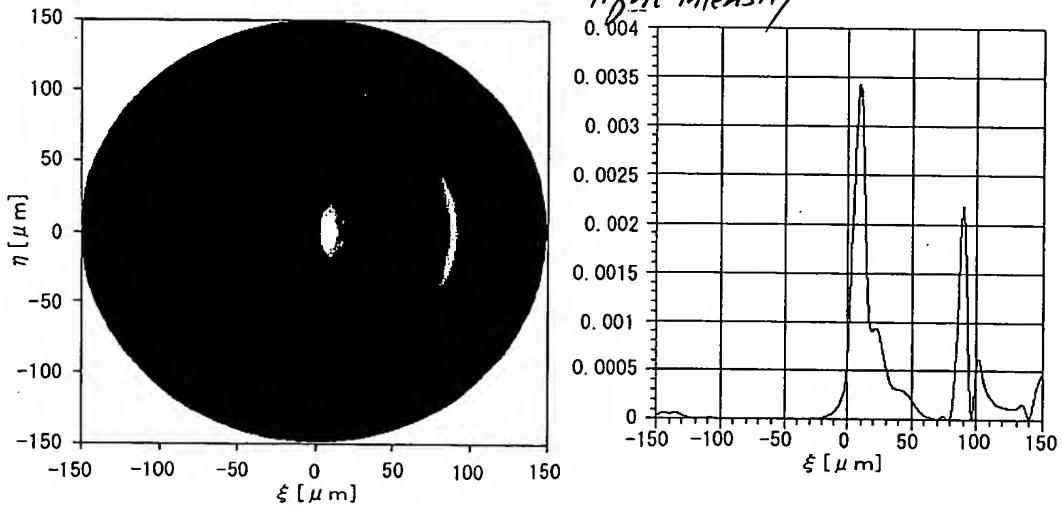


Fig. 15

A



B



C

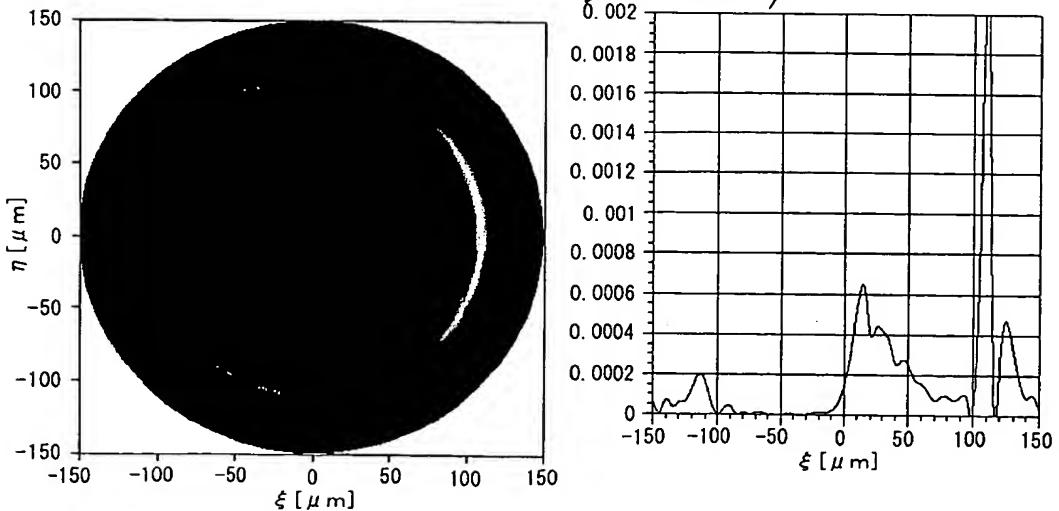


Fig. 16

protecting layer thickness error dependency of the following formulae
($\alpha = 0.162\text{mm}$)

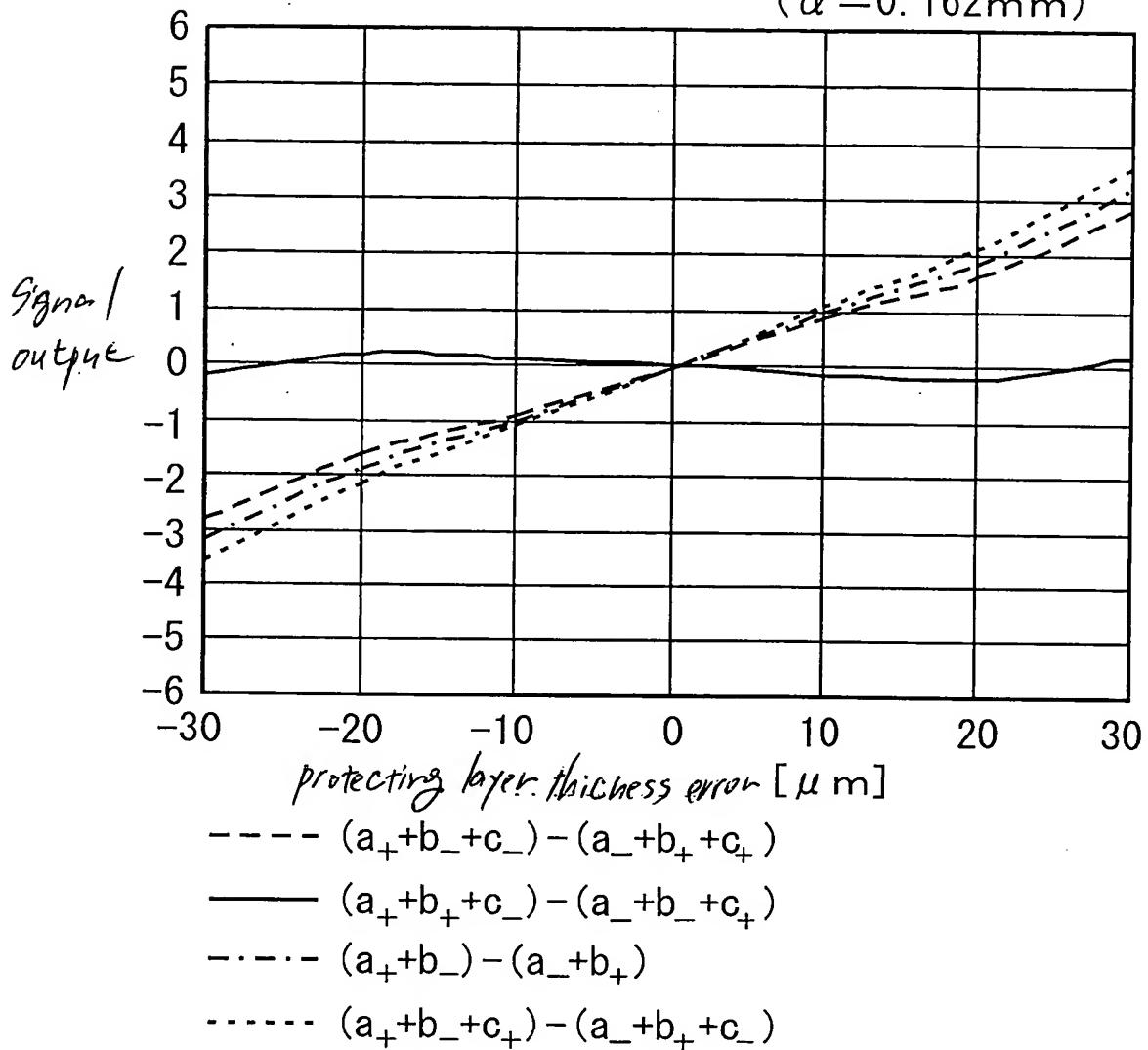


Fig.17
protecting layer thickness error dependency of the following formulae.
($\alpha = 0.243\text{mm}$)

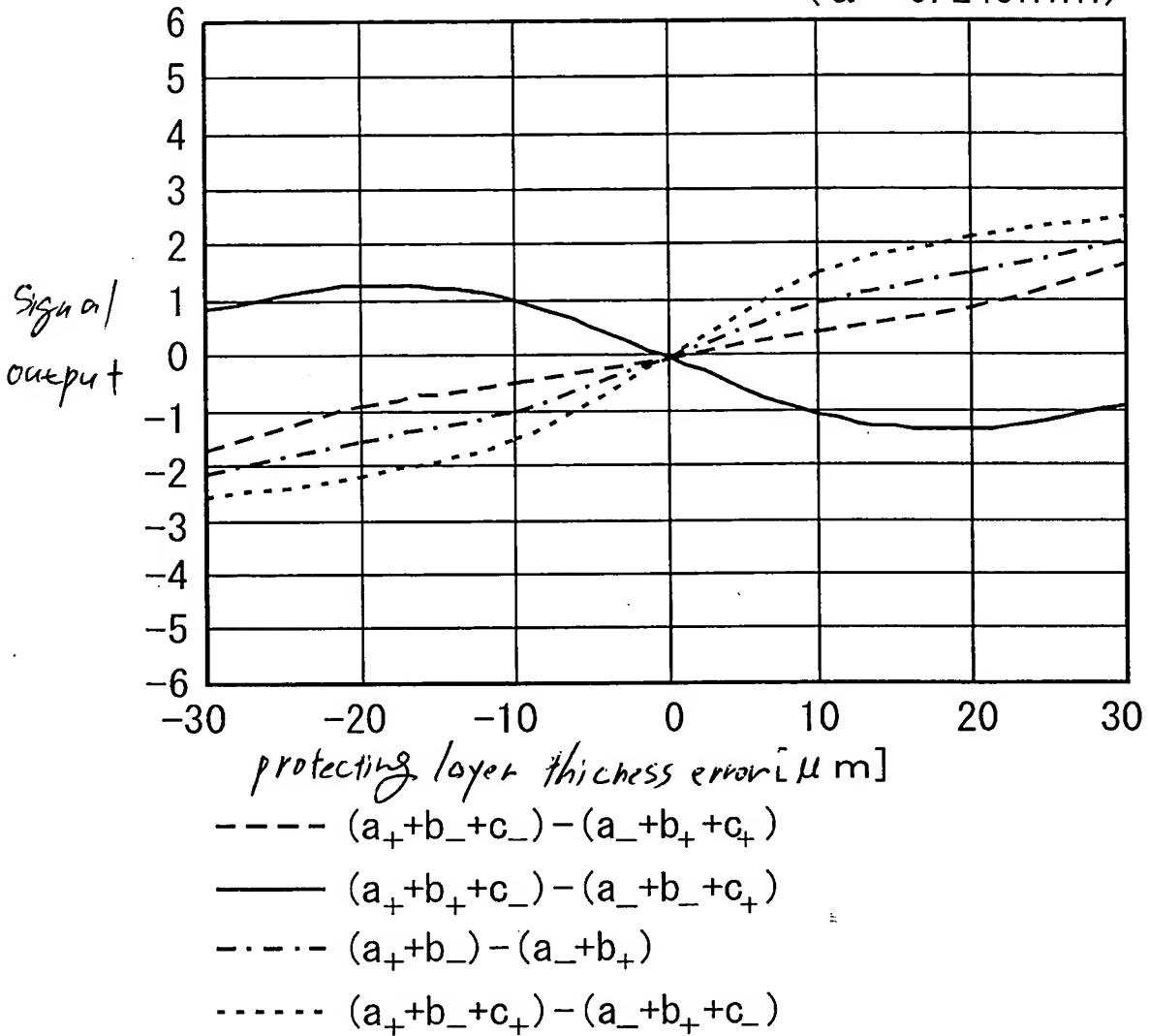


Fig. 18

focus correction signal, detecting position dependency $F_0 = (a_+ + b_+ + c_-) - (a_- + b_- + c_+)$

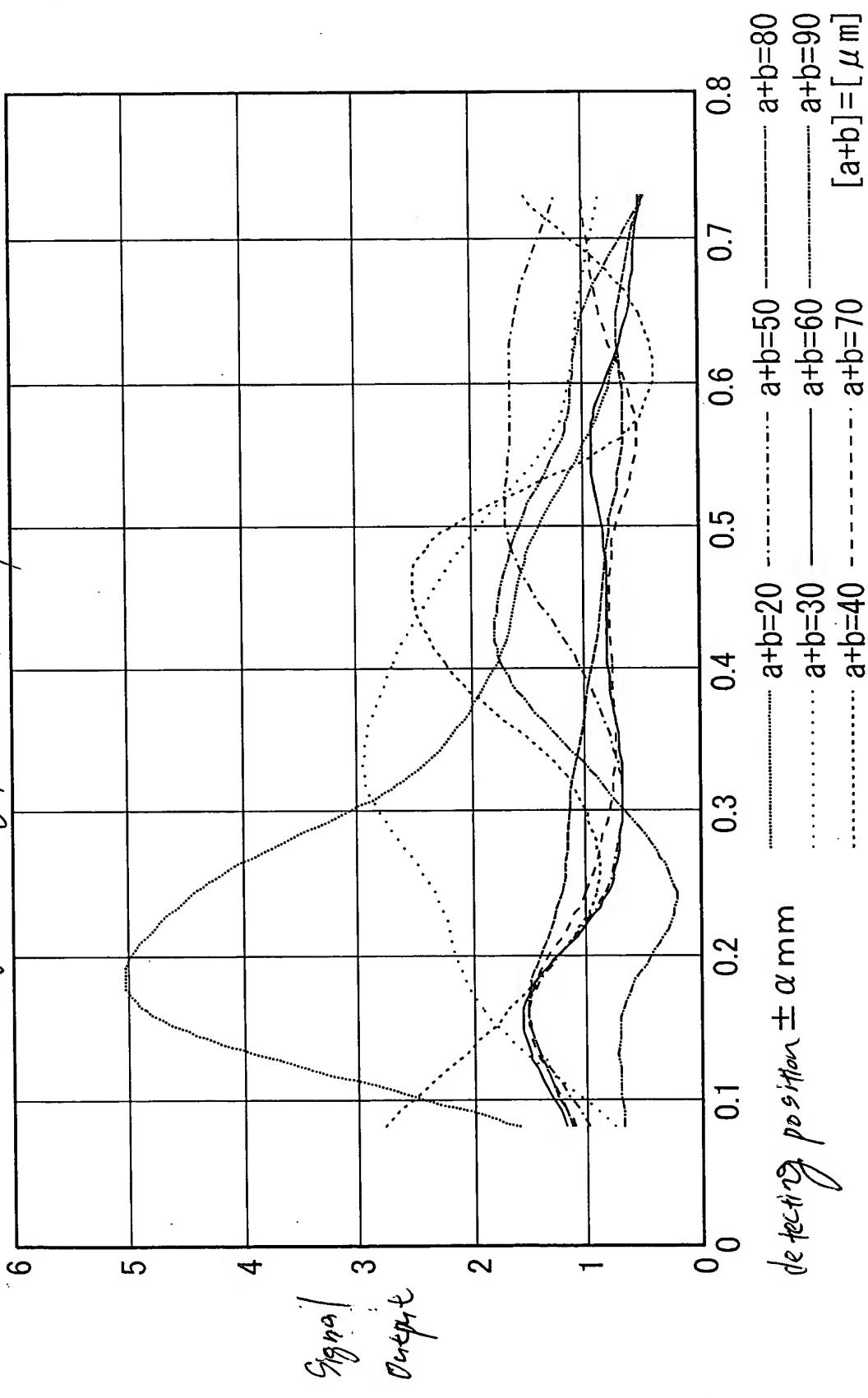
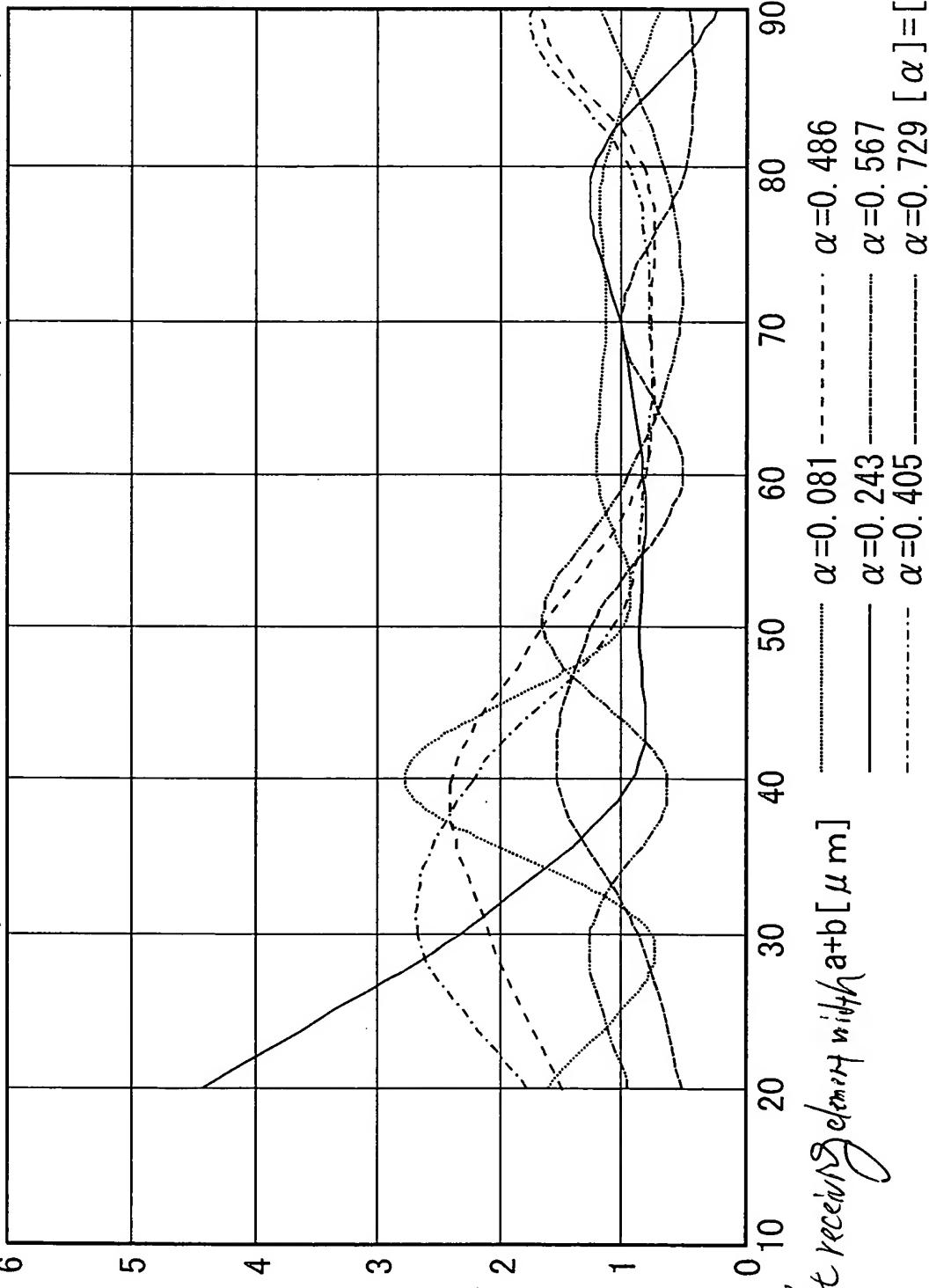


Fig. 19

Focus correction signal / light receiving element with dependency

$$F_0 = (a_+ + b_+ + c_-) - (a_- + b_- + c_+)$$



Signal/
output

light receiving element with $a+b$ [μm]

$\alpha = 0.081$ $\alpha = 0.243$ $\alpha = 0.567$ $\alpha = 0.729$ [α] = [μm]